

Full Field Imaging and Complimentary Techniques with the APS-U

Chairs: Kamel Fezzaa, Xianghui Xiao and Francesco De Carlo.

Building 402, Room E1100-E1200.

Agenda

Tuesday, January 20th, 2015.

8:00 – 8:45 AM	Continental Breakfast
8:45 - 9:00 AM	George Srajer, Deputy Associate Laboratory Director, ANL. <i>Welcome and introduction.</i>
9:00 - 9:35 AM	Sheng-Nian Luo, PIMS, China. <i>Single-shot, ultrafast, imaging of bulk materials in real and reciprocal spaces: Techniques and applications.</i>
9:35 - 10:10 AM	Peter Cloetens, ESRF, France. <i>Micro and nano imaging at the ESRF including future upgrade.</i>
10:10 - 10:45 AM	Tilo Baumbach, ANKA, KIT, Germany. <i>Imaging for Materials and Life Sciences at KIT.</i>
10:45 - 11:00 AM	Coffee Break
11:00 - 11:30 AM	Philip Withers, U. of Manchester, UK. <i>Synchrotron microscopy within a correlative framework.</i>
11:30 - 12:00 PM	Nikilesh Chawla, Arizona State U., AZ. <i>Multiscale Characterization of Metallic Materials: Bridging the Length-Scales with Complementary Techniques"</i>
12:00 - 1:30 PM	Lunch (No Host)
1:30 - 2:00 PM	Amy Clarke, LANL, NM. <i>Multi-scale Prediction and Control of Metal Alloy Solidification Dynamics.</i>
2:00 - 2:30 PM	Jake Socha, Virginia Tech, VA. <i>No guts, no glory: How x-rays reveal the link between the digestive and respiratory systems in insects"</i>
2:30 - 3:00 PM	Wayne Chen, Purdue U., IN. <i>Kolsky bar experiments, tension and compression.</i>
3:00 - 3:15 PM	Coffee Break
3:15 - 3:45 PM	Wenlu Zhu, U. of Maryland, MD. <i>Reaction Induced Fracturing during Mineral Carbonation of Olivine: an in-situ microtomography experiment.</i>
3:45 - 4:15 PM	Fikile Brushett, MIT, MA. <i>Advanced energy storage"</i>
4:15 - 4:45 PM	Charles Bouman, Purdue U., IN. <i>Model-Based Imaging and Reconstruction"</i>

Wednesday, January 21st, 2015.

9:00 - 9:10 AM	Refreshments
9:10 - 9:30 AM	Multiscale Full Field Imaging beamline
9:30 - 11:00 AM	Discussion and wrap-up